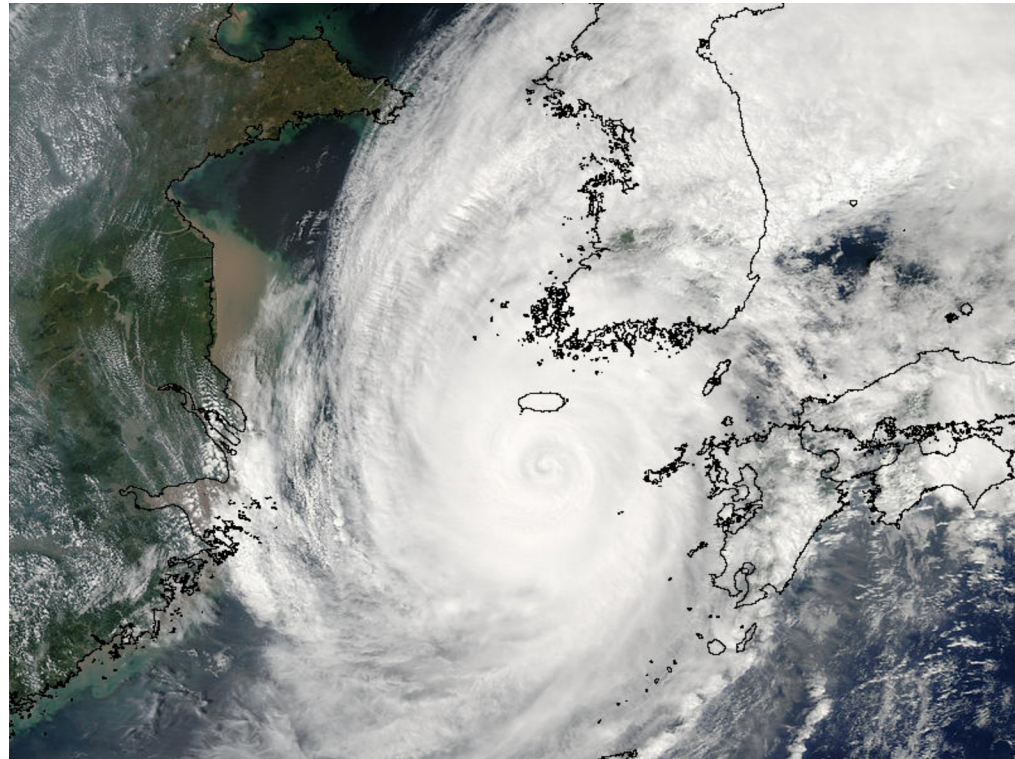


JTWC and Ops Impacts to KTO



Lt Col Robert T. Swanson, Jr.
Squadron

Commander, 607th Weather



Overview

- **Mission/Unit Locations**
- **Unique Command Structure**
- **ROKAF/ROK civilian relationship**
- **General Climo**
- **TCCOR Authority/Impacts**
- **How JTWC Products are Used**
- **About the Last Season**
- **Closing Thoughts/Recommendations**

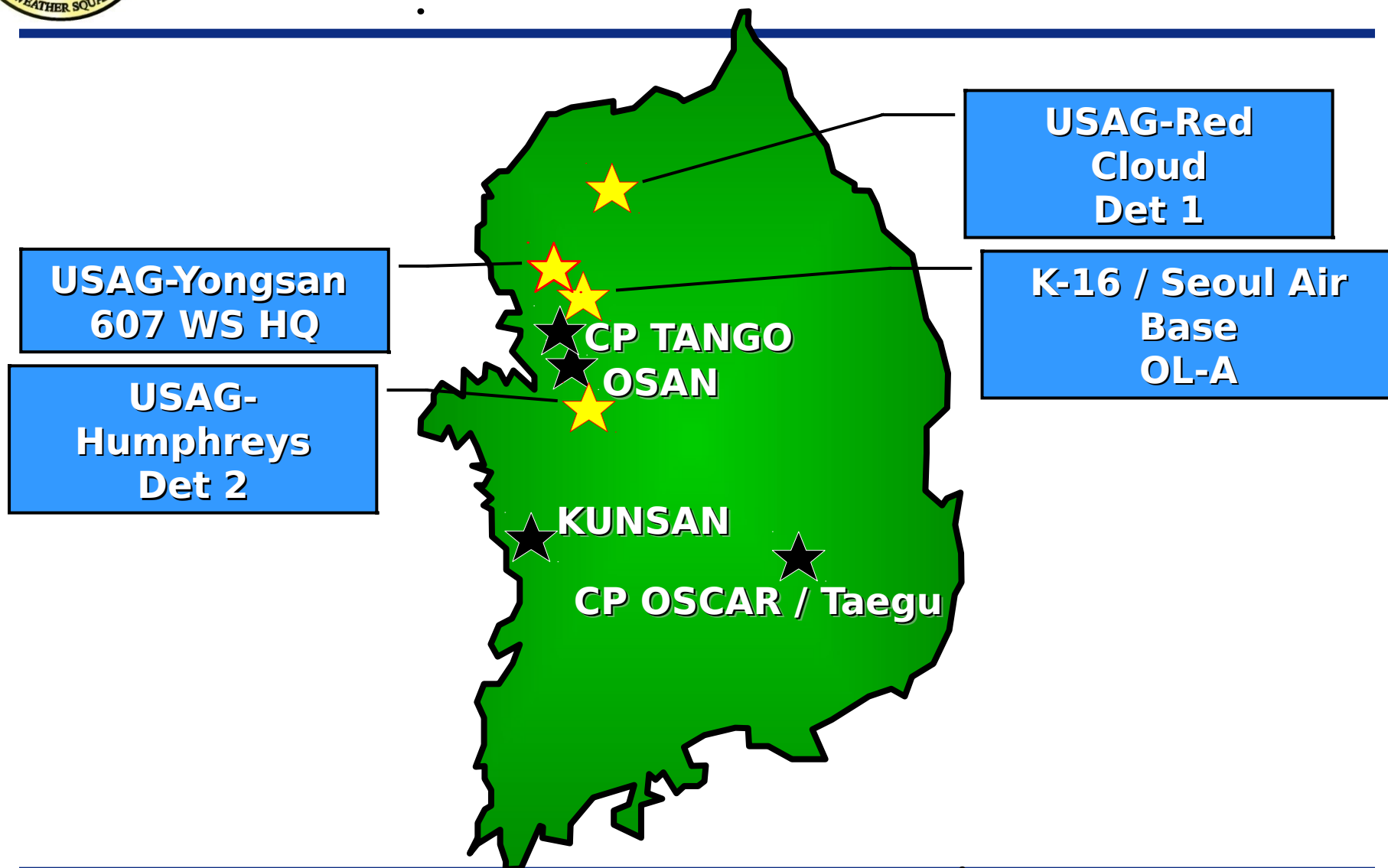


607 WS Mission

- **Trains, equips & provides weather teams for 5 distinct wartime missions for the Korean Theater of Ops (KTO)**
 - **US Forces Korea (LNO to UNC/CFC)**
 - **Eighth US Army**
 - **2nd Infantry Division (2 ID)**
 - **2nd Combat Aviation Brigade (2 CAB)**
 - **HTACC Augmentation (KAOC)**
 - **607 WS maintains weather teams at 5 geographically separated units**



607 WS/US Unit Locations



"Eyes on the Front"



Command Organizations

- **UN Command (UNC)**
 - Monitors armistice that ended Korean war;
 - CC is 4-star **GEN Sharp**
- **Combined Forces Command (CFC)**
 - Theater war fighting command
 - Korean and US forces; C-staff is at USAG-Yongsan
 - CG is 4-star **GEN Sharp**
- **United States Forces Korea (USFK)**
 - Sub-unified joint command provides US forces to CFC; 4-star commander is **GEN Sharp** who reports to USPACOM/CC
- **Eighth US Army (EUSA)**
 - Responsible for ARFOR and theater RSO&I
 - CG is LTG Fil, who also is Chief of Staff for UNC/CFC/USFK



Wx Support to ROK/US Forces

- **Weather Mission Transfer**
 - Officially handed over CFC Weather Support to the ROKAF (736th Weather Squadron) as of 1 Jan, 2007
- **U.S. retains lead for USFK and EUSA wx support**
- **BL: ROKs have the lead if/when we go to war**



ROKAF/Civilian Relationships

- **607 WS facilitates indigenous wx support agreements**
- **73 WG (ROKAF); HQ at Daejeon, O-6 CC**
 - Liaison officer on 607 WS Staff at Yongsan
 - Data share w/ 17 OWS & AFWA
- **736 WS (at Yongsan) performs UNC/CFC METOC functions**
 - 607 WS forecaster embedded since Jan '08
 - 607 WS continues to collaborate - “One Theater, One Forecast.”
- **Korea Meteorological Administration (KMA)**
 - Korea’s “National Weather Service”
 - Data Sharing - Doppler Wx Radar, METSAT, model data, obs
 - Highly involved with Remote Weather Sensor (RWS) project



ROKAF/Civilian Relationships



"Eyes on the Front"

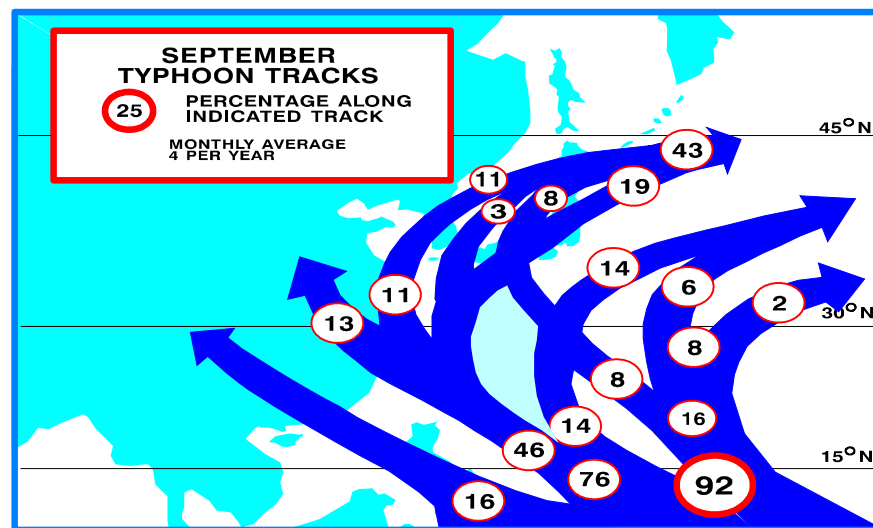
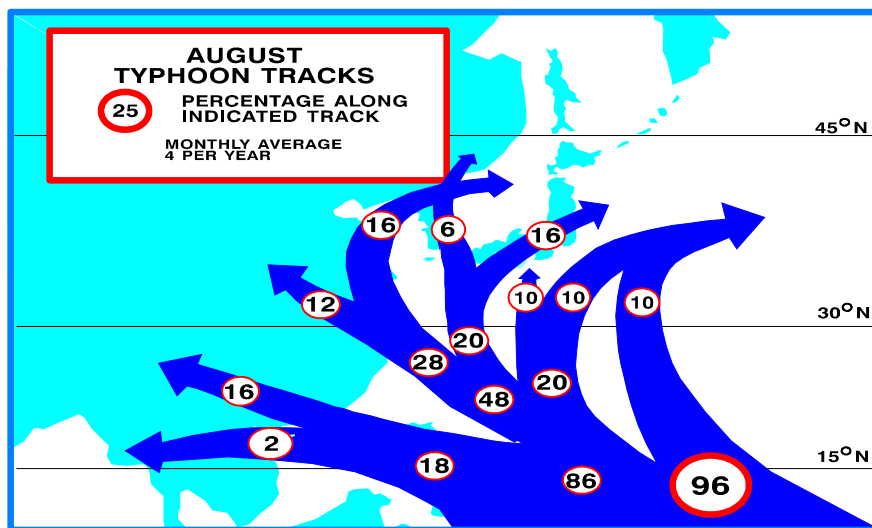
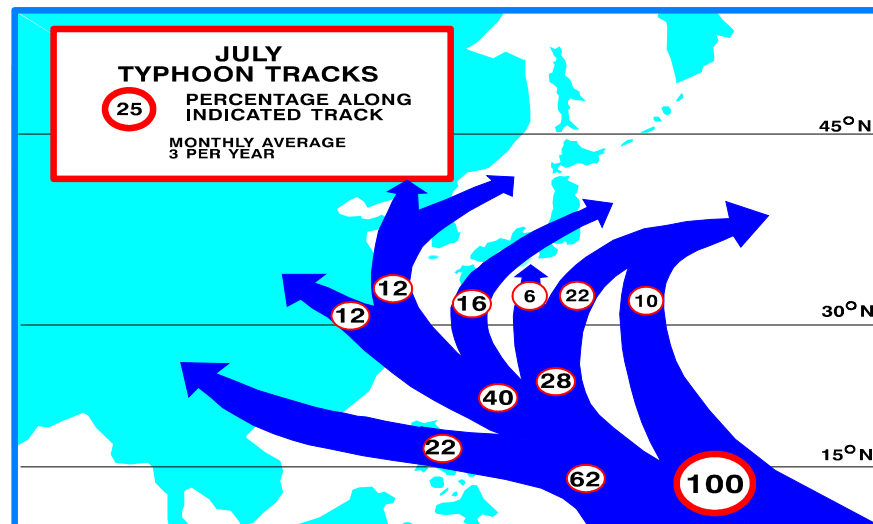
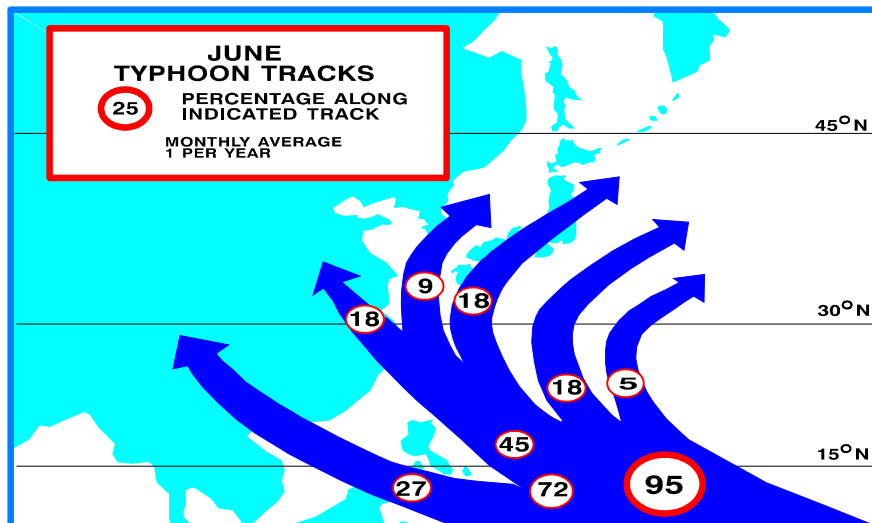


General Climatology

- **Typhoon Season - July through Early October**
- **Korea is usually affected by 2 typhoons per year**
 - **Max has been 7**
 - **2/3rds occur in Aug/Sep**
- **Major hazards**
 - **Flash Flooding**
 - **Mud Slides**
- **Topography major player in winds/precip**



General Climatology



"Eyes on the Front"



TCCOR Authority

- **USFK/CC is TCCOR authority (USFK 115-1)**
 - **Delegated to J3 (MG Sterling)**
 - **17 OWS issues TC-TAP bulletins for point locations**
 - **Coordinated with BWF/DOW**
 - **Issued within 90 minutes of JTWC warning**
- **607 WS makes TCCOR recommendations to the USFK J3 using JWTC forecasts**
 - **TCCOR messages sent by USFK**
 - **WG CCs have flexibility to make decisions based on resource protection/safeguarding assets**



TCCORs

- **Tropical Cyclone Condition of Readiness (TCCOR)**
 - **Alert status providing timetable of approaching TC**
 - **TCCOR ONE**
 - **Winds GTE 50 Knots occurring/will occur within 12 hours**
 - **TCCOR TWO**
 - **Winds GTE 50 Knots will occur within 24 hours**
 - **TCCOR THREE**
 - **Winds GTE 50 Knots will occur within 48 hours**
 - **TCCOR FOUR**
 - **Winds GTE 50 Knots will occur within 72 hours**
-



How JTWC Products Are Used

- **Unit Responses**

- **TCCOR ONE**

- Execute final evac actions/prepare for destructive winds

- **TCCOR TWO**

- Hangar all acft/secure equipment/implement evac plans

- **TCCOR THREE**

- Check acft tie downs/secure loose equipment

- **TCCOR FOUR**

- Secure all loose equipment

- **Other impacts/uses**

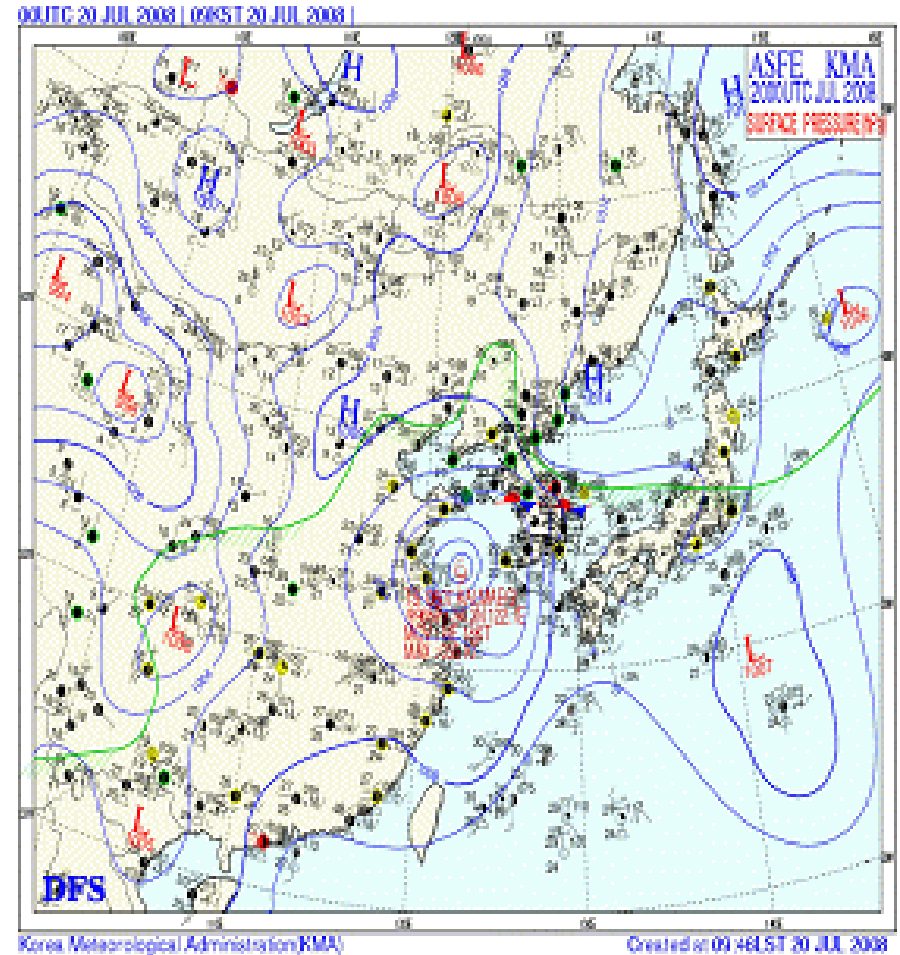
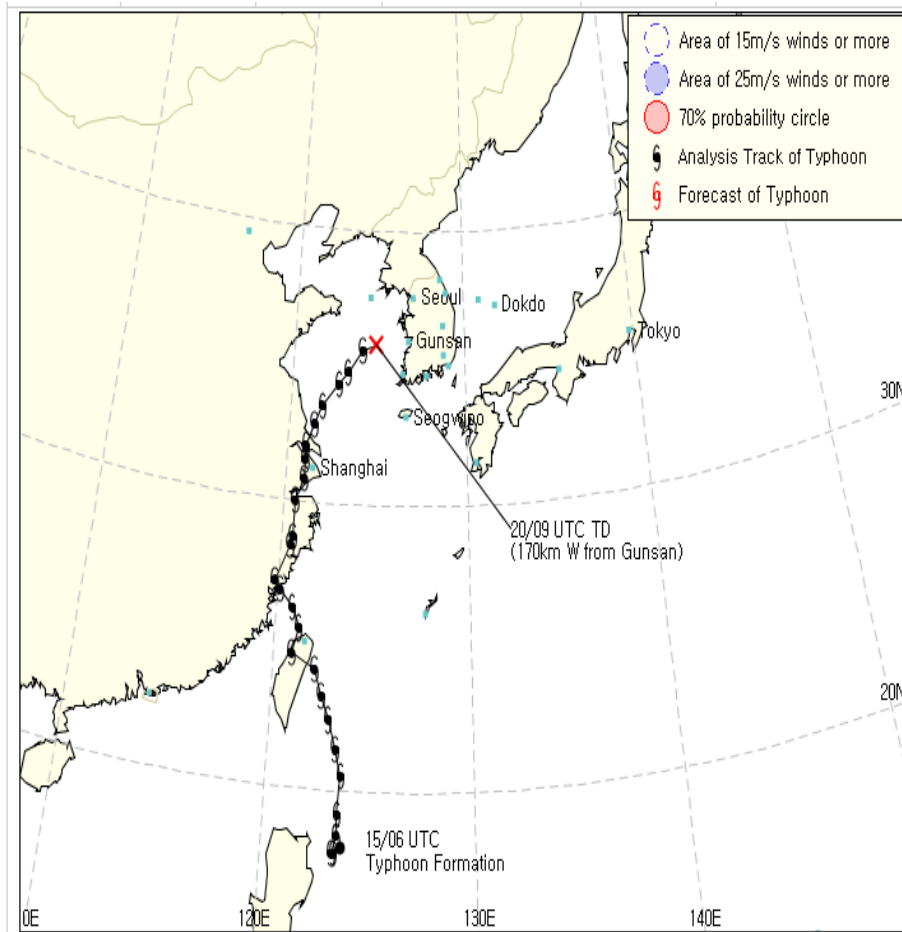
- **HA/DR?**

- **Intel source?** *“Eyes on the Front”*



Last Season

■ One Tropical Cyclone (Kalmaegi)



“Eyes on the Front”

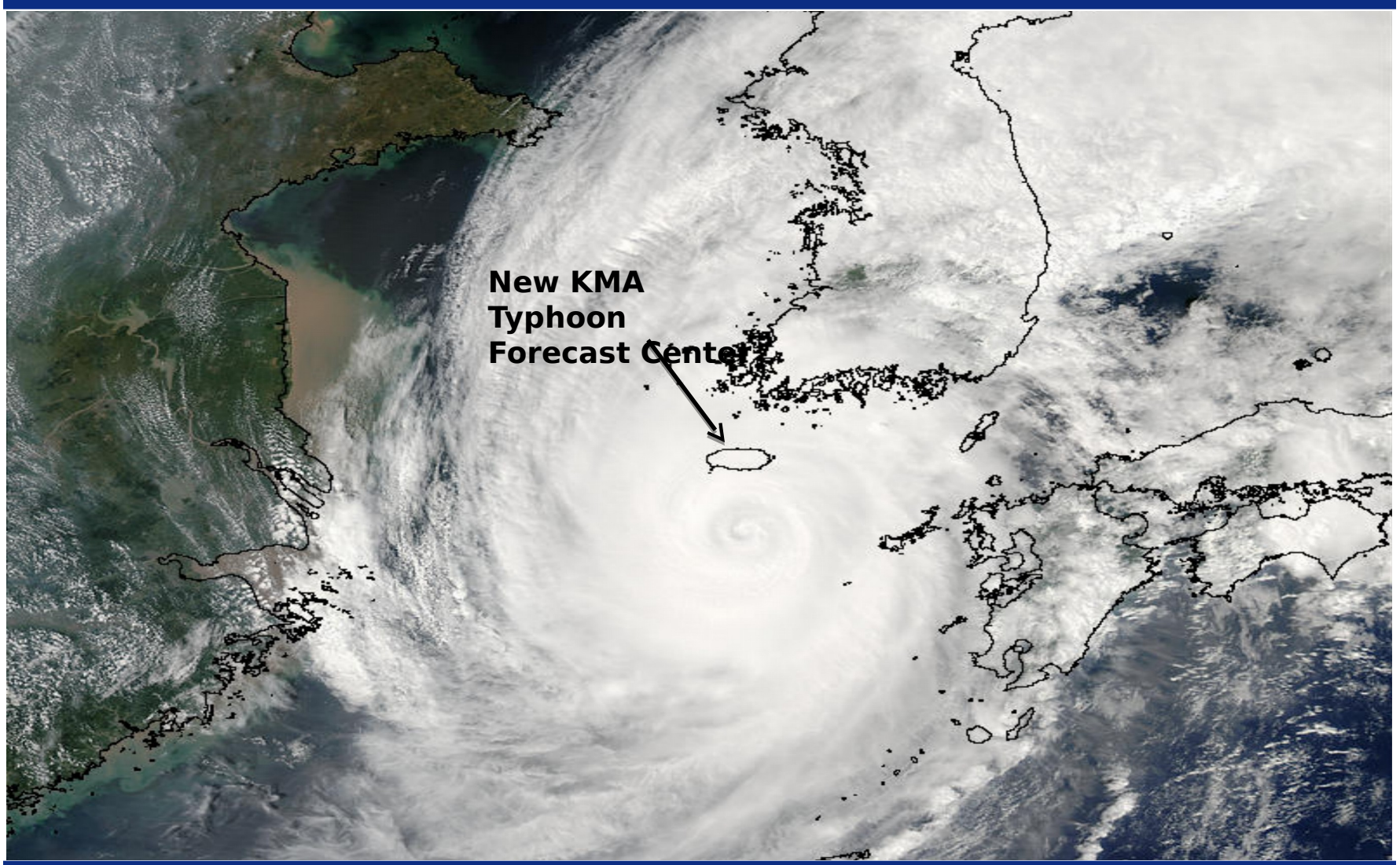


Closing Thoughts

- **Data access on coalition networks (via 17 OWS site?)**
- **Concur w/ Storm Surge**
 - **Ideally placed storm could send enough water up the Han to cause sig Seoul flooding**
- **True collaboration? - 607th can facilitate**
- **Need to be notified of sig changes soonest**



Questions



"Eyes on the Front"